

Math textbooks from Shanghai head to Britain

The latest agreement sealed between Shanghai Century Publishing (Group) Co. Ltd and HarperCollins Publishers at the London Book Fair (March 14 – 16, 2017) will introduce Shanghai's instructional approach to math into the classrooms of British primary schools.

The export of Shanghai's mathematics textbooks is an attempt by the British government to empower young students with consolidated mathematics skills.

In July last year, the British government announced the financing of mathematics teaching with an investment of 41 million pounds, including learning from Shanghai's educational models.

The 36 volumes of textbooks in English from Shanghai are scheduled to make their debut in September this year in some British primary schools.

By enabling students to get a good understanding of math, the textbooks will be complete with teaching approaches, an anonymous officer from HarperCollins Publishers said.

The exchange of mathematics teachers from both China and Britain started in 2014, when 73 teachers from 45 British primary schools visited their counterparts in Shanghai.

Several months on, between 2014 and 2015, 61 teachers from Shanghai visited Britain, giving presentations in 48 British primary schools on how they teach math in their home country.

The students were impressed by their flexible and individual-centered teaching methods that progressed step by step to lead the students eventually to master the skills of calculation.

Nick Gibb, the British Minister for Schools said that the teaching approaches to math used in East Asia will expand to an increasing number of young people desiring to receive a professional and quality education.

There have been nearly 30 exchange programs among schools between Shanghai and Britain. The Shanghai International Friendly Urban Youth Summer Campus has for seven consecutive years received students from Liverpool. By 2015, institutes of higher education in Shanghai had housed 1,086 British students.

Nowadays, Shanghai's pedagogic approaches have extended far beyond the exchange between the city and Britain as countries like the United States, Finland, Malaysia and Columbia, and organizations including the UN Children's Fund and the World Bank have all initiated Shanghai-bound learning trips.

Projects to improve traffic on Yangtze



A navigation lock in operation in Xiangjiang River in Changsha, Hunan province. [Photo/Xinhua]

China will dredge sections of the Yangtze River this year to deepen it and increase the amount of freight traffic that can use the waterway, a national legislator said recently.

“Projects will be carried out on the upper, middle and lower reaches of the Yangtze River,” said Tang Guanjun, deputy to the National People’s Congress and also director of the Changhang River Administration of Navigational Affairs in Hubei province.

“We aim at forming a water network connecting more places,” he said.

“The water level is of prime importance to freight transportation on the river. For every 10 centimeter rise in the water level, a 3,000 metric ton ship can carry an extra 176 tons of cargo,” he said.

“The ‘golden water gateway’ is essential to boosting the development of the Yangtze River Economic Belt. The river’s mainstream is the busiest river in the world regarding freight traffic,” Tang said.

In 2016, freight traffic on the mainstream of the Yangtze River was 2.31 billion metric tons, while railways across the country carried 3.33 billion tons. The river handled 15.2 million containers last year.

“Water transportation is much cheaper than rail and road transportation,” he said.

New projects will be carried out under strict environmental rules, Tang said.

“We will build a green navigation channel, including using environmental

materials and technology to avoid water pollution, and use an ecological design to allow fish to migrate and plants to grow," he said.

The projects will be carried out on the mainstream and its tributaries.

After the project is completed, the river will be navigable for bigger ships, allowing them to be able to load and unload cargo along the middle and upper reaches of the Yangtze River.

Bottlenecks affect freight transportation traveling to the middle and upper reaches of the river.

The increase of freight traffic along the river is an important part of the Yangtze River Economic Belt, one of China's three major national strategies.

The economic belt covers 11 provinces and cities, such as Jiangsu, Zhejiang, Anhui, Sichuan and Shanghai, with a total area of 2.05 million square kilometers. The belt also spans the country's eastern, middle and western regions, and its population and GDP account for more than 40 percent of the national totals.

[Time to see the UK's strengths – steady pound since 2012](#)

Amidst all the hyperbole over short term movements in sterling it is worthwhile looking at the longer trend. Today sterling is around the same level against the Euro as it was at the beginning of 2012. It is almost a fifth higher against the yen, and around one fifth down against the dollar. Over this time period the dollar has been strong against all major currencies, running with higher interest rates and expectations of higher rates than elsewhere in the advanced world. The yen has been particularly weak thanks to negative rates and the creation so many extra yen by the authorities.

One of the odd features of the protracted and often repetitious UK debate about Brexit is the wish of so many to look for weaknesses and problems on the UK side, and to fail to analyse the weaknesses and difficulties on the EU side in the forthcoming talks. On Tuesday I pointed out to the PM during the exchanges on her statement about the EU summit that the questions to be asked need to be asked of the 27.

I began by asking how can a group of civilised democracies that are meant to believe in decent values not reassure British citizens living on the continent legally that they can stay there after exit? I do not for one moment think the Spaniards will want to evict UK pensioners living in their own villas on the Costa Brava, for example. Nor do I see how they could do so

legally. However, why is it asking too much of the EU and the Spanish government not to confirm that of course they are welcome to stay. After all, the UK government has been very clear that we would like all EU citizens legally in the UK to stay as long as they wish, but do need similar confirmation for our citizens on the continent.

I also asked for confirmation that it is clearly in the interests of business and governments on the continent to carry on trading tariff free, with no more barriers than they currently face, once the UK has left. The UK will willingly offer continental countries tariff free access to our market as long as we have the same to theirs. The choice rests with them, as the UK would recommend tariff free but can live with WTO most favoured nation terms.

Whilst we are about it, we should ask the rest of the EU how they intend to implement their Treaty obligation to have good relations with neighbouring states and to promote trade with them. As the EU is always keen to ensure we follow the letter as well as the spirit of the Treaty I assume the same applies on this important issue.

The UK voted to take back control of our laws, our money and our borders. We are doing so based on the referendum of the UK voters, and now also on the back of a Commons vote with a majority of 372 to leave. Under the Treaty we do not owe them any money apart from our regular contributions.

[Donor shortage threatens rare-blood carriers](#)



Wang Rui



Cheng Juanping



Bao Sanming



Wang Meng



Zhao Cui'ai



Liu Qianjing



Shen Zhilong



Zhu Qi



Cheng Ling

Volunteers proudly display their blood donation certificates. The China RH Union is looking for more donors to help the small number of people with rhesus negative blood in China. [Photos/China Daily]

Only a small number of people in China have rhesus negative blood, and a lack of supplies can be potentially life-threatening if they need an urgent transfusion. Zhou Wenting reports from Shanghai.

Xie Yingfeng recently quit his job to devote himself to an NGO that helps people with a rare blood type find donors who could potentially save their lives.

There are four human blood types: A, B, AB, and O. Each has a rhesus factor, either positive or negative. Generally, people with rhesus negative blood can only receive transfusions of their own type, while rhesus positive carriers can receive blood from both positive and negative donors.

Only three in every 1,000 Chinese has rhesus negative blood, so in the words of an old phrase they are "as rare as a panda", which has led to it being known as "panda blood". Moreover, many people have no idea whether their blood type is rhesus negative or positive until they need a transfusion.

The small number of people with rhesus negative blood means there is an equally small number of donors, which poses serious problems for people who require urgent transfusions, especially women who have postpartum hemorrhages.

Volunteers

Xie, 38, is the Shanghai regional head of the China RH Union, an NGO founded by volunteers in Beijing, most of whom have rhesus negative blood. Nationally the organization has about 4,000 members.

Every year, the Shanghai branch assists about 40 people who approach it in search of blood donations. For each case, Xie may receive as many as 200 phone calls from the patient's family, volunteers, friends and even strangers who have read online posts for donors.

"It's hard for me to do 9-to-5 office work because my phone is likely to ring constantly," said the former construction materials salesman, who is currently living on his savings, but is considering selling delicacies from his hometown of Urumqi, capital of the Xinjiang Uygur autonomous region, to earn more money.

On a typical day, he spends hours confirming patients' requests, rushing to the hospital or calling their physicians, and accompanying volunteers when they donate blood.

"The aim behind the union is that when people of the same kind are in trouble, we can stand up for each other," said Xie, who is rhesus negative himself. In the 12 years since it was founded, the union has helped more than 3,000 people nationwide.

Having spent 12 years helping other people, Xie has become less interested in material wealth, which is another reason he quit his job.

The union was founded in 2005 by Beijing resident Wang Yong, who was deeply touched by media coverage of a rhesus negative leukemia patient who had been forced to abandon medical treatment because of a shortage of suitable donors.

Although Wang has a positive blood type, he began researching the condition and discovered that millions of people across the country are carriers: "I was an IT engineer, so I set up an online platform to make it less difficult to obtain blood for this small group."

At first, the union—which has branches in 26 provinces and municipalities—received just one or two calls a week, but it now fields as many as 20 a day. The regional heads, who never turn off their cellphones in case they are called for help, collect information about patients, verify their medical information, post messages to volunteers via an online chat group and search for donors.

A precious resource

According to the union's rules, six months must elapse between each donation,

while people recovering from a cold or who have taken medicine have to wait a week after the all-clear before they are allowed to give blood. Women who are menstruating or breastfeeding are not allowed to donate. "Most of us don't visit centers to donate blood regularly. Our resource is fairly precious, so we must make every drop count," Xie said.

According to Wang, the largest amount donated by a single volunteer was 20,000 cubic centimeters, roughly five times the volume of blood in the average adult body, which required at least 50 separate donations.

"Some volunteers have stopped smoking or drinking alcohol and going to bed late to ensure they are healthy enough to make an urgent blood donation. Some slender women have even attempted to gain weight to meet the requirement that donors must weigh at least 45 kilograms," he said.

The regional heads usually look for candidates within their home province or municipality, but sometimes volunteers rush to distant locations to donate blood.

In February, the union's branch in Anhui province was looking for donors with B negative blood for a 60-something woman who was awaiting surgery. No one could be found within the immediate locality, but Kang Huiming, a primary school teacher in Lianshui county, Jiangsu province, volunteered to help. That night she asked a friend to drive her to the hospital, six hours from her home.

"It's not about showing your benevolence—it's about saving a life," Kang said.

Although the number of members has grown gradually, some quit the union after a couple of years.

"When they first join, some people feel like they are superman and can help anybody. But if their help fails to save a life, it's hard to drag them out of the low mood," Wang said.

Xie, in Shanghai, recalled an unsuccessful attempt to save the life of a 7-year-old girl with leukemia. Having received a phone call from the girl's mother, he immediately started looking for donors. Eventually, he contacted a suitable volunteer, but the man was on a business trip to Henan province in Central China. Desperate to help, the volunteer concluded his trip, flew back to Shanghai and rushed to the hospital. Unfortunately, the girl died just as he arrived.

"Many of the volunteers were sleepless that night. The volunteer who flew back even blamed himself for taking the trip," Xie said.

Others have been lured away by money. Trading in blood is illegal under Chinese law, but "black" collection and supply agencies still exist. According to Xie, 400 cc of rhesus negative blood can fetch more than 20,000 yuan (\$2,900) on the black market.

Decisions and pressure

The biggest pressure Xie faces comes when he has to decide whether to ask volunteers to donate blood to someone with a minimal chance of survival.

In May, he was approached by the father of a 2-year-old boy who had double kidney failure and was about to have a transplant. The man was hoping to obtain 3,000 cc of rhesus negative blood.

“The hospital said the transplant stood very little chance of success. To provide 3,000 cc, we would have needed eight donors, but their blood might save eight other patients who have a better chance of survival,” he said. Reluctantly, Xie declined the father’s request. He later discovered that the parents had bought blood from illegal dealers, but the boy died during surgery.

“In such cases, I shoulder overwhelming pressure from the volunteers, the patient’s family and my friends, but after all these years, I’ve become more rational. The truth is that we can’t always provide assistance in time or help people endlessly,” he said.

Wang has considered leaving the union on several occasions, but hasn’t been able to bring himself to abandon the cause.

“The simple act of disseminating a message can sometimes save the life of someone who may have no other way out,” he said.

[Top legislature adopts key documents, ends session](#)



NPC deputies cast their votes at the closing of their annual plenary session in the Great Hall of the People on Wednesday. [Liu Zhen / China News Service]

China's top legislature concluded its 11-day annual plenary session on Wednesday after adopting a number of key documents, paving the way for the country's development in the coming year.

Of the 2,838 deputies to the National People's Congress who attended the closing ceremony, the overwhelming majority voted in favor of these documents, including the Government Work Report, the work report of the NPC Standing Committee, the work reports of the top court and top procuratorate and the General Provisions of the Civil Law.

Other documents approved by the lawmakers included the 2017 national economic and social development plan and the 2017 central and local budgets.

The decision on the quota and election of deputies to the 13th NPC, and the methods for electing deputies to the 13th NPC from the Hong Kong and Macao special administrative regions, were also passed with high support.

During this year's legislative session, national lawmakers filed 514 motions: 492 on legislation, 16 on NPC supervision and six on other issues, according to the NPC.

In his closing remarks, Zhang Dejiang, chairman of the NPC Standing Committee, hailed the achievements made under the leadership of the Communist Party of China Central Committee with Xi Jinping as the core since the 18th National Congress of the CPC in 2012.

Zhang called for maintaining a high degree of consistency with the CPC Central Committee in thoughts, politics and actions, upholding the authority of the CPC Central Committee and its centralized and unified leadership, and faithfully implementing the Party's policies and the CPC Central Committee's decisions.

The people's congress system, a fundamental institutional arrangement that integrates the principles of upholding the Party's leadership, people as the master of the country, and the rule of law, demonstrates the characteristics and advantages of China's socialist democracy, according to an editorial published by Xinhua on Tuesday.